Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Providing Chain link fencing for Government Land and Burial Ground at Kattigenahalli Village in ward no. 05

				Estimate cost, Rs			65.00 Lakhs	
DETAILED QUANTITY CALCULATION & COST ESTIMATE								
Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
Civil Works								
4200-10.1. **Clearing and grubbing road land** including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, including removal and disposal of top organic soil not exceeding 150 mm in thickness complete as per specifications. I. By Manual Means: A. In area of light jungle. MORTH Specification No. 201. SOR-2016-2017, Page 136, Item No 18.13)								
Basic Rate	48878.00							
Add Area weightage of 8%	3910.24							
Sub Total	52788.24							
	Ha	1	100.00	5.00		500.00		
						0.05	52788.24	2640.00
Excavation in Soil with Dozer 4200-11. Excavation for road way in all types of soil by mechanical means including cutting and loading the earth to site of embankment including trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections complete as per specifications. MORTH Specification No. 20 SOR-2016-2017, Page 143, Item No 19.11)								
Basic Rate	68.00							
Add Area weightage of 8%	5.44							
Sub Total	73.44							
Lead 15 Kms	116.00							
Total	189.44							
Compound	Cum							
		1	80.00	0.80	0.70	44.80		
		1	76.00	0.80	0.70	42.56		
		1	26.00	0.80	0.70	14.56		
		1	36.00	0.80	0.70	20.16		
Chain Link Fencing		1	45.00	0.80	0.70	25.20		
Gate Drain		1	28.00	1.80	1.50	75.60		
		1	80.00	1.80	1.50	216.00		
		1	15.00	1.80	1.50	40.50		
Approach road drain		2	94.00	1.05	1.00	197.40		
						676.78	189.44	128210.00
4.1,4.2 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 200kgs. with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.42cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 SOR-2016-2017, Page 12, Item No 4.3)								
Basic Rate	4867.00							
Add Area weightage of 8%	389.36							
Sub Total	5256.36							
Compound	Cum							
		1	80.00	0.80	0.15	9.60		
		1	76.00	0.80	0.15	9.12		
		1	26.00	0.80	0.15	3.12		
		1	36.00	0.80	0.15	4.32		
Chain Link Fencing		1	45.00	0.80	0.15	5.40		

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
[illegible]		1	28.00	1.65	0.15	6.93		
		1	80.00	1.65	0.15	19.80		
		1	15.00	1.65	0.15	3.71		
[illegible] mud drain		2	94.00	1.05	0.15	29.61		
						91.61	5256.36	481549.00
[illegible] : Providing and constructing **granite / trap / basalt size stone masonry** in foundation with cement mortar 1 : 6 stone hammerd dressed in courses not less than 20 ems high, bond stones at 1m apart in each course including cost of materials, labour, curing complete as per specifications. KBS [illegible] (BCSR 2016-2017, Page 23, Item No 5.5)								
Basic Rate	4187.00							
Add Area weightage of 8%	334.96							
Sub Total	4521.96							
Compound	Cum							
		1	80.00	0.60	0.45	21.60		
		1	76.00	0.60	0.45	20.52		
		1	26.00	0.60	0.45	7.02		
		1	36.00	0.60	0.45	9.72		
		1	80.00	0.45	0.45	16.20		
		1	76.00	0.45	0.45	15.39		
		1	26.00	0.45	0.45	5.27		
		1	36.00	0.45	0.45	7.29		
		-72	0.60	0.60	0.45	-11.66		
		-72	0.45	0.45	0.45	-6.56		
Chain Link Fencing		1	45.00	0.60	0.45	12.15		
		1	45.00	0.45	0.45	9.11		
		-22	0.45	0.45	0.45	-2.00		
						104.04	4521.96	470455.00
[illegible] : Providing and laying in position **plain cement concrete of mix 1:2:4** with cement@ [illegible] with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregate @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 ems. thick, well compacted in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.(BCSR 2016-2017, Page 12, Item No 4.6)								
Basic Rate	5441.00							
Add Area weightage of 8%	435.28							
Sub Total	5876.28							
Curing	Cum							
Compound		1	80.00	0.45	0.10	3.60		
		1	76.00	0.45	0.10	3.42		
		1	26.00	0.45	0.10	1.17		
		1	36.00	0.45	0.10	1.62		
		-72	0.45	0.45	0.10	-1.46		
Compound		1	80.00	0.23	0.05	0.92		
		1	76.00	0.23	0.05	0.87		
		1	26.00	0.23	0.05	0.30		
		1	36.00	0.23	0.05	0.41		
Chain Link Fencing		22	0.45	0.45	0.45	2.00		
		1	45.00	0.45	0.10	2.03		
						14.89	5876.28	87491.00
[illegible] : Providing and constructing **burnt brick masonry** for basement and superstructure with approved quality of non-modular bricks of standard size of class designation 3.5Newton per sqmm with cement mortar1:6 including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2.(BCSR 2016-2017, Page 27, Item No 6.3)								
Basic Rate	6269.00							
Add Area weightage of 8%	501.52							
Sub Total	6770.52							
	Cum							
Compound		1	80.00	0.23	2.10	38.64		
		1	76.00	0.23	2.10	36.71		

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
		1	26.00	0.23	2.10	12.56		
		1	36.00	0.23	2.10	17.39		
		-72	0.38	0.23	2.10	-13.21		
						92.08	6770.52	623424.00
: Providing **18mm thick cement plaster** in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding including cost of materials, labour, curing complete as per specifications.(BCSR 2016-2017, Page 133 Item No 15.15)								
Basic Rate	244.00							
Add Area weightage of 8%	19.52							
Sub Total	263.52							
	Sqm							
Compound		2	80.00	2.10		336.00		
		2	76.00	2.10		319.20		
		2	26.00	2.10		109.20		
		2	36.00	2.10		151.20		
						915.60	263.52	241279.00
: Providing and applying **painting in two coats** with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications..(BCSR 2016-2017, Page 117, Item No 15.51.1)								
Basic Rate	71.00							
Add Area weightage of 8%	5.68							
Sub Total	76.68							
	Sqm							
Compound		2	80.00	2.10		336.00		
		2	76.00	2.10		319.20		
		2	26.00	2.10		109.20		
		2	36.00	2.10		151.20		
						915.60	76.68	70209.00
: Providing **T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and overlaps shall not be measured and paid)cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, (BCSR 2016-2017, Page 17, Item No 4.46.2)								
Basic Rate	60607.00							
Add Area weightage of 8%	4848.56							
Sub Total	65455.56							
	Tn							
Compound - 100kgs/cum		1	40.06	100.00		4.01		
Beam 70kgs/cum		1	174.42	65.00		11.34		
						15.34	65455.56	1004297.00
: Providing and **removing centering, shuttering,** strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters, bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 (BCSR 2016-2017, Page 15, Item No 4.31)								
Basic Rate	293.00							
Add Area weightage of 8%	23.44							
Sub Total	316.44							
	Sqm							
Compound	72*4	288	0.60		0.45	77.76		
	72*5	288	0.45		0.45	58.32		
	72*6	288	0.38		2.10	229.82		
Drain Wall		4	28.00		1.50	168.00		
		4	80.00		1.50	480.00		

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
		6	15.00		1.50	135.00		
		8	94.00		0.60	451.20		
						1600.10	316.44	506337.00
KSRB 4.2.2 : Providing and laying in position **plain cement concrete of mix M20** withOPC cement @ 320kgs. with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, (BCSR 2016-2017, Page 33, Item No 4.11)								
Basic Rate	6011.00							
Add Area weightage of 8%	480.88							
Sub Total	6491.88							
	Cum							
Compound		72	0.60	0.60	0.45	11.66		
		72	0.45	0.45	0.45	6.56		
		72	0.38	0.38	2.10	21.83		
For Drain - Raft		1	28.00	1.50	0.20	8.40		
		1	80.00	1.50	0.20	24.00		
		1	15.00	1.50	0.20	4.50		
Wall		2	28.00	0.20	1.50	16.80		
		2	80.00	0.20	1.50	48.00		
		3	15.00	0.20	1.50	13.50		
Approach road drain		2	94.00	0.90	0.15	25.38		
		4	94.00	0.15	0.60	33.84		
						214.48	6491.88	1392368.00
Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading , unloading, etc.,complete as per the direction of engineer in charge- Data Rate								
Data Rate	2100.00							
	Sqm							
		1	28.00	1.50		42.00		
		1	80.00	1.50		120.00		
		1	8.00	1.50		12.00		
Approach road drain		2	94.00	0.90		169.20		
						343.20	2100.00	720720.00
Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading , unloading,etc.,complete as per the direction of engineer in charge- (Data rate)								
Data Rate	5111.00							
	Sqm							
		1	7.00	1.50		10.50		
						10.50	5111.00	53666.00
KSRRB M2200-8.1. **Back filling** behind abutment, wing wall and return wall complete as per drawing and Technical Specification complete as per specifications. A. Granular material MORTH Specification No. 2204 (BCSR 2016-2017, Page 225, Item No 28.11)								
Basic Rate	524.00							
Add Area weightage of 8%	41.92							
Sub Total	565.92							
Chain Link Fencing	Cum	1	45.00	0.20	0.45	4.05		
Compound		1	80.00	0.20	0.80	12.80		
		1	76.00	0.20	0.80	12.16		
		1	26.00	0.20	0.80	4.16		
		1	36.00	0.20	0.80	5.76		
For Drain		2	28.00	0.15	1.50	12.60		

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
		2	80.00	0.15	1.50	36.00		
		2	15.00	0.15	1.50	6.75		
						94.28	565.92	53355.00
Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (SCSR 2016-2017, Page 262, Item No 37.3)								
Basic Rate	659.00							
Add Area weightage of 8%	52.72							
Sub Total	711.72							
Chain Link Fencing	Sqm	1	45.00		2.10	94.50		
						94.50	711.72	67258.00
Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1 :2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 ems. including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (SCSR 2016-2017, Page 262, Item No 37.2)								
Basic Rate	819.00							
Add Area weightage of 8%	65.52							
Sub Total	884.52							
Chain Link Fencing	m	22	2.70			59.40		
						59.40	884.52	52541.00
Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint (SCSR 2016-2017, Page 262, Item No 37.4)								
Basic Rate	324.00							
Add Area weightage of 8%	25.92							
Sub Total	349.92							
Chain Link Fencing	m	3	45.00			135.00		
						135.00	349.92	47240.00
Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (SCSR 2016-2017, Page 42, Item No 7.37)								
Basic Rate	2934.00							
Add Area weightage of 8%	234.72							
Sub Total	3168.72							
Gate	Sqm	2	3.00	2.25		13.50		
						13.50	3168.72	42778.00
Borewell								

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
Sinking Borewell of 165mm dia clear, using fast rig in all strata including over-burden upto 20mts. Fixing of casing Pipes, collars and cap with necessary cutting and threading including, transportation of Rig and supporting vehicle, crew charge and cost of consumbles, etc, complete including yield testing at the final depth with a minimum woring of compressor for one hour. (excluding cost of casing pipes, collars and cap, etc.)								
a) 0.00 to50.00 Mtr	Rmtr	1	50.00			50.00	306.00	15,300.00
b) 50.00 to 100.00 Mtr	Rmtr	1	50.00			50.00	400.00	20,000.00
c) 100.00 to 150.00 Mtr	Rmtr	1	50.00			50.00	445.00	22,250.00
d) 150.00 to 200.00 Mtr	Rmtr	1	50.00			50.00	470.00	23,500.00
e) 200.00 to 250.00 Mtr	Rmtr	1	50.00			50.00	544.00	27,200.00
f) 250.00 to 300.00 Mtr	Rmtr	1	50.00			50.00	583.00	29,150.00
g) 300.00 to 350.00 Mtr	Rmtr	1	35.00			35.00	622.00	21,770.00
Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100 of wakk thickness 504mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel electric or basic oxygen process in fandom length of 5 to 7mtr. Both ends threaded confirming to IS554/1985 one end fixed with socket confirming to IS 270:2001 and other end with screwed pipes. All pipes shall be reasonably free from defectes. The tubes shall be resonably straigth should be with ISI Marking Weighting 25.10 kg/mtr (Inclusive of all taxes and durties) Prices include Collar - medium duty. Page No.ii, I.No.53 PRE Bang SR 2016-17								
	Rmtr	1	7.00			7.00	1325.00	9275.00
a) Above 20mtrs and upto 30mtrs.@15%	Rmtr	1	7.00			7.00	45.90	321.30
b) Above 30mtrs@30%	Rmtr	1	14.00			14.00	91.80	1285.20
175mm M.S. B-Class Casing Collar (P.No.ii,I.No.55)								
	Nos	5				5.00	150.00	750.00
175mm dia Casing Cap (P.No.ii,I.No.54)								
	Nos	1				1.00	100.00	100.00
Supply and delivery at site brand new submesible PUMPSET suitable for bore well of 150 mm dia and having declared duty conditions as detailed below and satisfying performances characteristics for pump and motor as declared by bureau of Indian standards. The pump should confirm to IS:8034-1970 (with all its latest amendments) and should bear the ISI mark 12.5 HP 20 stage (CRI Pumps)(SR 2016-17 page xxxxll sl no 23)								
H=150m dish 150 LPM	Set	1				1	70600	70,600.00
Supply and Delivery of Galvanized Mild steel Heavy Class (C-Class) conforming to IS 1239-1979 PART-1:1979 with lastest amendments with ISI mark (one end fitted with ISI mark heavy duty collar and other end fitted with Protective cover) 50 mm dia								
50mm dia G.I Pipe with heavy duty	Mtr	1	250.00			250.00	375.00	93750.00
Submersible Cable: Supply and Delivery of brand new best make PVC insulated cable of flat 3core (sheathed) of nominal cross sectional area containing to IS 894-1997 with latest amendments (as per SPD) 4 Square mm								
280*2+10	Mtr	1	450.00			450.00	81.00	36450.00
50 mm dia GI Collar Heavy duty								
	Mtr	1	30.00			30.00	130.00	3900.00

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
Meter and Panel Board: Supply and Delivery of Meter and Panel Board: Meter Board unit one number of MS Box of size 300x120 mm size fabricated out of 2mm thick sheet metal with sealable door arrangement for munting the CTS (if any) cutouts 3phase dia 4 wire energy meter and cable box complete. A transparent glass piece should be provided where the energy meter reading could be read. Panel Board: One number of cubicle type of control panel board to operate on 50c/400/400v Upto 10 to 20 HP								
	Nos	1				1.00	11000.00	11000.00
50mm dia G.I.N.R. Valve								
	Nos	1				1.00	856.00	856.00
Erection & Commissioning of work of pumpset including aligning and balancing with all necessary erection of materials and labour including supply and erection of two pair of supporting clamps, one borewell cap, cable clips and water tight gland cable protectors, bolts nuts valves and gauges etc, all job including fixing sluice valve, non return valve etc, and connecting delivery side of pumpset to rising main etc, complete.								
	Nos	1				1.00	850.00	850.00
Power Capacitor: Supply and Delivery of brand new best make capacitor conforming to IS:2834-1986 with latest amendments with ISI mark of required capacity tested and approved by KPTCL anthorities and erection, electrification and commissioning of the same at the location of the respective pumpsets. Supply & Delivery of best indigenous brand new MCB (Miniature Circutit Breaker) of required capacity as per IS:8828-1978 and its latest amendment with ISI mark 6/10/20/25/40 amps with sealble box with MCB 3 KVAR								
	Mtr	1				1.00	460.00	460.00
Supplyin mmdia 2mm 2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive pase etc., and running before cocreting the slab. The conduit should be tiled to the reinforcement rods by using binding wires and unused ways of junction boxes and plpe ends should be covered using PVC end enclosuers. Run with 18SWGGI fish wire wherever necessary (P-2,1-1)								
25mm dia 2mm thick	Nos	1	10.00			10.00	44.28	442.80
Supplying of TPST with rewirable porcelain channels in SM enclosure. (P-30. 1-1)								
32amps	Nos	1				1.00	1468.80	1468.80
Supplying and fixing polished wood board made of not less than 15 mm thick plan on both sides with planks made out of more than two pieces and fixing the same to the wall using wooden plugs, screws								
20X20X2.5	Nos	2				2.00	307.80	615.60
Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multistrand 2x1.5 Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box. The other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet (P-3. 1-8)								
a) Short Point upto 3Mtr form tapping point to outet via switch	Rmtr	1	1.00			1.00	189.00	189.00
b) Long Point above 6 Mtr. Upto 10 Mtr. From tapping point to out let via	Rmtr	1	1.00			1.00	397.44	397.44
Supplying 6 A flush/projected type socket and a 6Amps flush/projected type SP switch either surface/flush mounting in a existing gang box or a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required (P-6., 1-12)								
6Amps3/5 Way	Nos	1				1.00	114.48	114.48
Wiring for lighting /power circuit using one of PVC insulated 1100V grade multis and Copper conductor single core cable in open or consealed system of wiring (P-9, 1-20)								
Group "B"© 2.5Sq.mm	Rmtr	1	25.00			25.00	22.65	566.25
Supplying and fixing PBBC backelite straight or slant batten holder &wiring 60w/230 Volts lamps (P-13, 1-2)								
Group B	Rmtr	1	3.00			3.00	60.48	181.44

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
Supplying and fixing of LED type panel borad indicating lamp with required colour suitable for 220 v A.C. 50 Hz 12/24v D.C (P-38, 1-35)								
	Nos	3				3.00	464.40	1,393.20
Supplying of LT UG cable having aluminium conductor PVC insulated. Sheathed. Galvanished. Steel wire/steel tape armoured cable with PVC outer sheathing 1.1KV class (conforming to IS 1554) Class-A (P-								
a)4.0 core 16Sqmm	Rmtr	1	12.00			12.00	162.00	1,944.00
Labour charges for laying of 1.1KV class UG cable when supplied departmentally/ agency in existing trench GI pipe/stoneware pipe/on wall/on pole as required (P-68, 1-11)								
a)16Sqmm to 16Sqmm	Rmtr	1	12.00			12.00	8.64	103.68
Digging of trench of 0.6mtrs deepx0.5 mtrs wide refilling the required gorund level and consolidating etc., complete (P-68, 1-12)								
a)in soil(ordinary)	Rmtr	1	8.00			8.00	43.20	345.60
Supplying and fixing of class 'A' GI pipe on pole /wall/drain crossing with necessary clamping arrangement for UG cable of 1.1KV class(P-69, 1-15)								
a)65mm(upto 150Sqmm)	Rmtr	1	6.00			6.00	259.20	1,555.20
Supplying and fixing of heay duty cable glands suitable for UG cable of 1.1KV class metal only (P-69, 1-17)								
a)25mm dia	Nos	1				1.00	71.28	71.28
Supplying and fixing miniature circuit breakers on existing MCB disitribution boards using necessary fixing materials and wiring complete as required (P-34, 1-13)								
1-32 amps TPN	Nos	1				1.00	1085.40	1085.40
Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts. bolts and washers etc., complete (P-30, 1-3) a) 32Amps								
	Nos	5				5.00	108.00	540.00
Supplying and fixing L.T. cast Iorn pot heads suitable for 1.1. KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,(P-69, 1-16)								
	Nos	1				1.00	280.60	280.60
Supplying, fixing, wiring, earth electrode for gounding conduits, I.C cotouts and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit... The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checkunts etc., the pipe shall have 16 through holes of 12mm dia (P-66, 1-7)							-	
	Nos	1				1.00	2106.60	2106.60
Supplying decorative horizontal type street light fluorescent fitting weather and water proof complete with low loss open construction copper wound ferromagnetic ballast,starter,locking type brass contact holders with 1 No. of 4 feet 40 watts fluorescent tube completely wired for use on 230/250 volts. 50cycles AC supply with opal reeded Perspex cover at bottom complete fitting (P-17, 1-6)								
	Nos	1				1.00	1544.40	1544.40
Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluroscent tube street light fitting of all capacities of GI or CI or rail or RCC pole/ wall using suitable clamps. bolts. and nuts and wiring using suitable capacity wires complete(P-26, 1-9)								
	Nos	1				1.00	658.80	658.80
Providing and installing at site work P.V.C. Pipes including cost of pipes and specials and labour,including lowering into trenches,laying true to line,level and perfect linking at joints lead proof including jointing of approved type with all labour and lift charge, handling charges with all leads,including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation etc.,complete[P.No.15 - I.No.3.4.2.a& b PRED SR 2016-17]a) 63 mm dia PVC pipes 6kg/cm.square=104*6%=110.24								
For pipe line	mtr	1	284.00			284.00	110.24	31308.16
Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality and make, conforming to I.S.I./ISO/SSI specifications. (P.No. 265/ I.No. 27.58 of CSR 2016-17)								

Description	Unit	No.	Length, m	Width, m	Depth, m	Quantity	Rate, Rs	Amount, Rs
Basic Rate	6.00							
Add Area weightage of 8%	0.48							
Sub Total	6.48							
Its	L	1	1000.00			1000.00	6.48	6480.00
Escom Deposit Charges								12000.00
							Total Cost of Construction, Rs.	6499977.23
							Rounding Off, Rs.	22.77
							Total Project Cost, Rs.	6500000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2016-2017.and Data Rates

Assistant Engineer,
Yelahanka Project Division

Asst. Exec. Engineer,
Yelahanka Project Division

Executive Engineer.
Yelahanka Project Division

Administrative Approval

Accorded For Rs. 65.00 lakhs
Head of A/C P-3119
CER NO :58/17-18 Dt: 9/10/2017

E.E. (Project)

Technical Sanction

Accorded For Rs. 65.00 lakhs
Head of A/C P-3119
CER NO :245/17-18 Dt: 10/10/17

TA CE (YNK)